

Title (en)

PHOTO-ELECTRIC DISTANCE- AND ANGLE-MEASUREMENT SYSTEM FOR MEASURING THE DISPLACEMENT OF TWO OBJECTS WITH RESPECT TO EACH OTHER

Title (de)

FOTOELEKTRISCHES WEG- UND WINKELMESSSYSTEM ZUM MESSEN DER VERSCHIEBUNG ZWEIER OBJEKTE ZUEINANDER

Title (fr)

SYSTEME PHOTOELECTRIQUE DE MESURE DE DISTANCE ET D'ANGLE DESTINE A MESURER LE DEPLACEMENT DE DEUX OBJETS L'UN PAR RAPPORT A L'AUTRE

Publication

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Application

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Priority

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Abstract (en)

[origin: US5841134A] PCT No. PCT/EP96/03276 Sec. 371 Date Mar. 26, 1997 Sec. 102(e) Date Mar. 26, 1997 PCT Filed Jul. 25, 1996 PCT Pub. No. WO97/05457 PCT Pub. Date Feb. 13, 1997A photoelectric path- and angle-measurement system for measuring the displacement of two objects relative to one another comprises a quantity $N=n \times 4$ of photoreceivers which are arranged in a photoreceiver matrix in such a way that the diagonals of the photoreceivers lie parallel to the diagonals of the photoreceiver matrix and the photoreceivers which detect the same phase position are electrically connected with one another, and these signals are fed to an evaluating circuit.

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